

Report Date: 13 Jun 2014

Summary Report for Individual Task
552-101-1876
MANAGE AIRCRAFT STORAGE PROGRAM
Status: Approved

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD6 - This product/publication has been reviewed by the product developers in coordination with the FT EUSTIS/128 AVN BDE foreign disclosure authority. This product is releasable to students from foreign countries on a case-by-case basis.

Condition: While assigned as an Aviation Maintenance Officer in an Aviation Maintenance Company (AMC)/ Aviation Support Company (ASC) given assigned aircraft and applicable references and publications.

Standard: Aviation Maintenance Officer will ensure that the Aircraft Storage Program is conducted IAW applicable aircraft technical manuals.

Special Condition: None

Safety Risk: Low

MOPP 4:

Task Statements

Cue: None

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes: Use the appropriate technical manual for the specific aircraft mission design series (MSD). Use EM 0013 for the UH-60, EM 0281 for the CH-47, or EM 0126 for the AH-64.

Performance Steps

1. Determine the type of storage that is required.

- a. Flyable storage.
- b. Short term storage.
- c. Intermediate storage.

2. Ensure the proper performance of the following steps IAW the aircraft's TM:

- a. Tow helicopter using standard procedures.
- b. Park helicopter using standard procedures.
- c. Observe fire regulations for helicopters parked outside.
- d. Tie down helicopter using standard procedures.
- e. Lubricate helicopter using standard procedures.
- f. Protect engine from corrosion resulting from dirt, moisture, and disuse.

g. Cover and protect elastometric bearings from sunlight; Do not allow corrosion preventative compound to get on bearings or rubber boots.

3. Ensure the proper performance of the Flyable storage performance steps IAW the aircraft's TM.

- a. Install static ground wire.
- b. Do a ten hour engine inspection.
- c. Enter date and type of storage in aircraft log book.
- d. Preserve engines IAW correct criteria in TM.
- e. Service Auxiliary Power Unit (APU).
- f. Service hydraulic systems.
- g. Service rotor head.
- h. Service gear boxes.
- i. Service fuel tanks.
- j. Service electrical system.
- k. Service landing gear.
- l. Service airframe.

m. Service flight controls.

n. Inspect aircraft using local directives during flyable storage.

o. Inspect and service all previously mentioned components when taking an aircraft out of flyable storage for active use IAW with TM.

4. Ensure the proper performance of the Short-term storage performance steps IAW the aircraft's TM:

a. Install static ground wire.

b. Do a preventative maintenance daily inspection.

c. Enter date, type of storage, and removed or disconnected components in aircraft log book.

d. Preserve engines IAW correct criteria in TM.

e. Service Auxiliary Power Unit (APU).

f. Service hydraulic systems.

g. Service gear boxes.

h. Fold main rotor blades if desired.

i. Service main rotor head.

j. Service tail rotor.

k. Drain any water in fuel tanks and fill fuel tanks to maximum.

l. Service instruments (pitot tube).

m. Service electrical system.

n. Service instruments.

o. Service avionics.

p. Service landing gear.

q. Service airframe.

r. Service flight controls.

s. Inspect aircraft using local directives during short term storage.

t. Inspect and service all previously mentioned components when taking an aircraft out of short term storage for active use IAW with TM.

5. Ensure the proper performance of the Intermediate term storage performance steps IAW the aircraft's TM:

- a. Install static ground wire.
- b. Do a 10 hour/14 day preventative maintenance daily inspection.
- c. Enter date, type of storage, and removed or disconnected components in aircraft log book.
- d. Preserve engines IAW correct criteria in TM.
- e. Service Auxiliary Power Unit (APU).
- f. Service hydraulic systems.
- g. Service gear boxes.
- h. Remove main rotor blades; tag blades with serial number, clean blade cuffs, coat blade pin sockets with corrosion prevention compound, cover blade cuffs with water vaporproofed barrier material, clean blades, and place blades in shipping containers.
- i. Service main rotor head.
- j. Remove tail rotor blades, tag and store all rotor components in cabin area, tag blades with helicopter serial number and place in shipping containers, coat exposed metal surfaces with corrosion prevention compound, cover tail gear box output shaft.
- k. Service electrical system.
- l. Drain any water in fuel tanks and fill fuel tanks to maximum.
- m. Service electrical system by disconnecting battery connector and battery connector sensor, stow battery sensor connector in stowage receptacle, wrap battery connector with water vaporproofed barrier material, secure battery connector with adhesive tape, remove battery connector and transfer it to the battery shop or other heated building.
- n. Service instruments by removing clock, attach a green condition tag on clock and store in a secure facility, clean pitot tube with cleaning compound solvent, and install pitot tube cover.
- o. Service avionics equipment.
- p. Service landing gear.
- q. Remove utility items.
- r. Service airframe.
- s. Adjust flight controls.
- t. Inspect aircraft using local directives during intermediate term storage.
- u. Inspect and service all previously mentioned components when taking an aircraft out of intermediate term storage for active use IAW with TM.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: None

Evaluation Preparation: None

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Determined the type of storage that is required.			
2. Ensured the proper performance storage steps were conducted for any of the three types of storage IAW the aircraft's TM.			
3. Ensured the proper procedures of the Flyable storage performance steps IAW the aircraft's TM.			
4. Ensured the proper procedures of the Short-term storage performance steps IAW the aircraft's TM.			
5. Ensured the proper procedures of the Intermediate term storage performance steps IAW the aircraft's TM.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	EM 0013	TM 1-1520-Blackhawk - Interactive Electronic Technical Manuals (IETM) for Aviation Unit and Intermediate Maintenance for UH-60A, UH-60L, EH-60A, HH-60A and HH-60L Helicopters (TM 1-1520-Blackhawk, TM 11-1520-237-23P)	Yes	Yes
	EM 0126	TM 1-1520-Longbow/Apache, Interactive Electronic Technical Manual (IETM) for Longbow/Apache (FP Proof Review 1) https://www.logsa.army.mil	Yes	Yes
	EM 0281	TM 1-1520-271-23&P, Interactive Electronic Technical Manual, Field Maintenance, for Helicopter, Cargo Transport, CH-47F Including Repair Parts and Special Tools List	Yes	Yes

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. ENVIRONMENTAL CONSIDERATIONS: It is the responsibility of all Soldiers and Department of the Army (DA) civilians to protect the environment, and to participate in the Army's Environmental Management System (EMS) at the installation where they are assigned. The key points of an EMS are:

- Trainers and students commitment to the prevention of pollution.
- Trainers and students commitment to meeting all applicable legal and regulatory requirements.
- Trainers and students will strive for continual improvement in environmental management.

A sustainable installation will use resources wisely to support the current mission, without compromising the ability to accomplish future missions.

Hazardous materials, if not disposed of properly, can cause damage to the environment

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. Overall risk assessment of this task is determined to be low in accordance with Composite Risk Assessment Model.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None

ICTL Data :

ICTL Title	Personnel Type	MOS Data
Critical Task List for Military Occupational Specialty (MOS) 151A WOBC FY16	Warrant Officer	MOS: 151A, Skill Level: WO1, Duty Pos: HBU, LIC: EN
Individual Critical Task List for MOS 151A WOBC 17.1	Warrant Officer	MOS: 151A, Duty Pos: HBU, LIC: EN